

BRUHAT BANGALORE MAHANAGARA PALIKE										
NAME OF WORK : CONSTRUCTION OF INDOOR STADIUM WITH ALL AMENITIES AT SAHAKARNAGAR IN WARD NO.08 KODIGEHALLI, KODIGEHALLI SUB DIVISION										
MEASUREMENT SHEET										
SECOND & Part Bill										
Client	Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, DB sandra, Vidyaranyapura, Bangalore-560097									
Change in m	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To									
Item No.4	Providing and laying in position plain cement concrete of mix 1:4:8 (M7.5) with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per directions of Engineer in charge of the work									
Measurement taken on	5/10/2019									
		cum								
	Vide Total executed Quantity from premeasurement Page no. 1						109.46			
	Tender Quantity						143.53			
	DPQ Qty paid in 1st RA Bill						106.9			
	Now to be paid qty						2.58	5700.00	14727.38	
Item No.11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and as per directions of Engineer in charge of the work									
Measurement taken on	5/10/2019									
		Sqm								
	Vide Total executed Quantity from premeasurement Page no. 2						478.74			
	Tender Quantity						641.18			
	DPQ paid in 1st RA Bill						404.4			
	Now to be paid qty						74.34	350.00	26019.00	
Item No.12	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification and as per directions of Engineer in charge of the work (Ground Floor)									
Measurement taken on	5/10/2019									
		Sqm								
	Vide Total executed Quantity from premeasurement Page no. 3						332.43			
	Tender Quantity						411.79			
	DPQ paid in 1st RA Bill						103.18			
	Now to be paid qty						229.35	400.00	91740.00	



ASSISTANT ENGINEER

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MEASUREMENT SHEET

SECOND & Part Bill

Client Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, DB sandra, Vidyaranyapura, Bangalore-560097

Sl. No.	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
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Item No.16 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specification and as per directions of Engineer in charge of the work (Ground Floor)

Measurement taken on	5/10/2019									
	Sqm									
	Vide Total executed Quantity from premeasurement						1143.98			
	Page no. 4									
						Tender Quantity	1657.22			
						Now to be paid qty	1143.98	400.00	457592.08	

Item No.20 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials, labour complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)

Measurement taken on	5/10/2019									
	Sqm									
	Vide Total executed Quantity from premeasurement						29.17			
	Page no. 5									
						Tender Quantity	28.28			
						Qty upto 125%	29.17			
						Quantity Limited to	29.17	750.00	21875.01	

Item No.24 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)

Measurement taken on	5/10/2019									
	Sqm									
	Vide Total executed Quantity from premeasurement						602.51			
	Page no.									
						Tender Quantity	902.97			
						Now to be paid qty	602.51	400.00	241002.20	

241002.20



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SECOND & Part Bill										
Client	Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, DB sandra, Vidyaranyapura, Bangalore-560097									
Chainage in m	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To									
Item No.28	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification and as per directions of Engineer in charge of the work (Ground Floor)									
Measurement taken on	5/10/2019									
		Sqm								
	Vide Total executed Quantity from premeasurement						30.03			
	Page no.									
	Tender Quantity						66.50		16516.50	
	Now to be paid						30.03	550.00	16518.04	
Item No.31	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification and as per directions of Engineer in charge of the work (Ground Floor)									
Measurement taken on	5/10/2019									
		Sqm								
	Vide Total executed Quantity from premeasurement						25.97			
	Page no.									
	Tender Quantity						25.47			
	Quantity Limited to						25.47	450.00	11461.50	
Item No.35	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplasticiser @ 3lts conforming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground Floor level for roof slabs, staircase, lintels, beams, retaining walls, return wall, walls (an thick ness) including attached plasters, columns, pillars, posts, struts, butters, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor).									
Measurement taken on	5/10/2019									
	Vide Total executed Quantity from premeasurement						17.88			
	Page no.									
	GROUND FLOOR									
	Columns upto beam bottom									
	C1									
	Along grid H-2	cum	1	0.40	0.60	4.17	1.00			



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MEASUREMENT SHEET

SECOND & Part Bill

Client		Sri Abbu Sambasiva Reddy #1-B-3,Sree Arcade Layout 4th Block,DB sandra,Vidyaranyapura,Bangalore-560097									
Chainage in m		Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
		C2									
		Along grid K-2, I-2, I-2, F-2	cum	4	0.40	0.60	4.17	4.00			
		C3									
		Along grid J-1-3, I-1-3, H-1-3, F-1-3,	cum	8	0.30	0.60	4.17	6.00			
		C4									
		Along grid E-1-2-3, D-1-2-3, C-1-2-3,B-1-2-3, A-2	cum	13	0.30	0.60	4.17	9.76			
		C4'									
		Along grid A-1-3, K-1-3	cum	4	0.30	0.60	4.17	3.00			
		Staircase									
		Waist slab(1st flight)	cum	1	4.87	1.80	0.23	1.97			
		2nd flight	cum	1	3.69	1.80	0.23	1.49			
		Tread and riser	cum	27			0.02	0.59			
					triangular area 0.5*0.3*0.15=0.022						
		Landing	cum	1	3.70	1.80	0.23	1.50			
				Total executed Quantity				47.21			
				Tender Quantity				71.90			
				Now to be paid qty				47.21	7500.00	354087.00	
Item No.39	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar,with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete for beams,staircase,and roof with M-25										
Measurement taken on											
	GROUND FLOOR										
	Beams										
	B1(300x900)										
	Along grid A,B,C,D,E,K between 1 and 2		cum	6	18.82	0.30	0.72	24.39			



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Chainage in m	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks	
From	To										
	B2(300x900)										
	Along grid F, H, I, J between 1 and 2	cum	4	18.82	0.3	0.72	16.26				
	B3(200x450)	cum	1	6.53	0.20	0.27	0.35				
	B4(200x600)										
	Along grid 1,3 between A and K	cum	2	51.53	0.20	0.42	8.66				
	B5(200x600)										
	Along grid 2 between A and K	cum	1	51.68	0.2	0.42	4.34				
	B6(300x600)	cum	1	27.12	0.30	0.42	3.42				
	SB(300x600)	cum	1	6.60	0.30	0.38	0.74				
	Roof										
		cum	1	55.13	20.62	0.18	204.63				
	Staircase landing	cum	1	3.70	1.80	0.23	1.50				
	sunken slab	cum	1	10.14	6.90	0.20	14.00				
	Deduction for staircase portion										
		cum	1	6.63	3.70	-0.18	-4.42				
	Deduction for sunken slab	cum	1	10.14	6.90	-0.18	-12.60				
				Total executed Quantity			261.27				
				Tender Quantity			499.12			1959525.00	
				Now to be paid qty			261.27	7500.00	1959541.82		
Item No.40	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregates @ 0.391cum, with superplasticiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)										
Measurement taken on	5/10/2019										
	GROUND FLOOR										
	W	sqm	1	3.50	0.6		2.10				



Assistant Engineer

Assistant Executive Engineer

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Chainage in m	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To									
	W1	sqm	20	1.50	0.60		18.00			
				Total executed Quantity			20.10			
				Tender Quantity			20.70			
				Now to be paid qty			20.10	700.00	14070.00	
Item No.45	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)									
Measurement s taken on	16/07/2019									
	GROUND FLOOR									
	Vide Total executed Quantity from premeasurement						114.92			
	Page no.									
				Tender Quantity			97.06			
				Qty upto 125%			114.92			
	DPQ paid in 1st RA Bill						43.13			
				Sub Total Qty			71.79			
				Now to be paid qty			71.79	75000.00	5384378.33	
Item No.49	Providing and constructing load bearing wall with precast solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4, as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)									
Measurement s taken on										
	GROUND FLOOR									
	Gym and yoga hall									
	long wall	sqm	2	19.42		3.75	145.62			
	short wall	sqm	1	18.82		3.45	64.93			
	Lobby									
	Long wall	sqm	1	18.82		3.45	64.93			
	short wall	sqm	2	6.4		3.75	48.00			



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